

Name : _____

Score : _____

Teacher : _____

Date : _____

Solve the Exponents

1) $\left(-\frac{8}{9}\right)^{-3} =$ _____

11) $\left(-\frac{1}{4}\right)^{-3} =$ _____

2) $\left(\frac{3}{5}\right)^{-2} =$ _____

12) $\left(-\frac{7}{12}\right)^{-2} =$ _____

3) $\left(\frac{6}{9}\right)^{-3} =$ _____

13) $\left(\frac{3}{4}\right)^3 =$ _____

4) $\left(-\frac{3}{5}\right)^{-2} =$ _____

14) $\left(-\frac{1}{3}\right)^{-5} =$ _____

5) $\left(\frac{2}{3}\right)^4 =$ _____

15) $\left(-\frac{4}{8}\right)^2 =$ _____

6) $\left(-\frac{2}{7}\right)^3 =$ _____

16) $\left(-\frac{9}{10}\right)^2 =$ _____

7) $\left(\frac{1}{3}\right)^5 =$ _____

17) $\left(-\frac{1}{2}\right)^{-7} =$ _____

8) $\left(\frac{9}{12}\right)^2 =$ _____

18) $\left(-\frac{2}{3}\right)^3 =$ _____

9) $\left(\frac{4}{7}\right)^2 =$ _____

19) $\left(\frac{3}{8}\right)^{-2} =$ _____

10) $\left(\frac{1}{2}\right)^{-6} =$ _____

20) $\left(\frac{1}{2}\right)^5 =$ _____

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Solve the Exponents

$$1) \left(-\frac{8}{9}\right)^{-3} = -\frac{729}{512}$$

$$11) \left(-\frac{1}{4}\right)^{-3} = -64$$

$$2) \left(\frac{3}{5}\right)^{-2} = \frac{25}{9}$$

$$12) \left(-\frac{7}{12}\right)^{-2} = \frac{144}{49}$$

$$3) \left(\frac{6}{9}\right)^{-3} = \frac{729}{216}$$

$$13) \left(\frac{3}{4}\right)^3 = \frac{27}{64}$$

$$4) \left(-\frac{3}{5}\right)^{-2} = \frac{25}{9}$$

$$14) \left(-\frac{1}{3}\right)^{-5} = -243$$

$$5) \left(\frac{2}{3}\right)^4 = \frac{16}{81}$$

$$15) \left(-\frac{4}{8}\right)^2 = \frac{16}{64}$$

$$6) \left(-\frac{2}{7}\right)^3 = -\frac{8}{343}$$

$$16) \left(-\frac{9}{10}\right)^2 = \frac{81}{100}$$

$$7) \left(\frac{1}{3}\right)^5 = \frac{1}{243}$$

$$17) \left(-\frac{1}{2}\right)^{-7} = -128$$

$$8) \left(\frac{9}{12}\right)^2 = \frac{81}{144}$$

$$18) \left(-\frac{2}{3}\right)^3 = -\frac{8}{27}$$

$$9) \left(\frac{4}{7}\right)^2 = \frac{16}{49}$$

$$19) \left(\frac{3}{8}\right)^{-2} = \frac{64}{9}$$

$$10) \left(\frac{1}{2}\right)^{-6} = 64$$

$$20) \left(\frac{1}{2}\right)^5 = \frac{1}{32}$$